



## SMALL AND MICRO-FINE

The NanoFog Evolution  
and NanoFog Sens humidification system



**DRAABE**  
success is in the air

# THE BENEFITS TO YOU

## THE NANOFOG HUMIDIFICATION SYSTEM

For all applications where the important thing is to ensure micro-fine atomisation, low operating noise and an attractive design, NanoFog Evolution and NanoFog Sens are exactly the right system. The dimensions of the NanoFog atomiser are reduced to a minimum, offering the most discreet and unobtrusive integration into the space. Whether for small rooms, low ceilings, low humidity requirements or sensitive production and working spaces – NanoFog Evolution and NanoFog Sens generate the optimum room humidity almost invisibly.



### **Extremely quiet**

A completely new nozzle technology ensures that noise levels are below the recommended maximum, allowing you to concentrate on your work in the office.

### **Nano-fine atomisation**

The special nano-nozzles produce a spray pattern that is absorbed invisibly into the room air within a few fractions of a second for maximum effectiveness.

### **Absolute hygiene**

The unique DRAABE full service maintenance approach guarantees 100% hygiene, excellent reliability and high performance on the part of the NanoFog atomisers.

### **Minimal dimensions**

The NanoFog atomiser is as small as a fist and fits inconspicuously in any room design.

### **Positioning as required**

The atomisers can be adjusted horizontally and vertically to allow the right positioning for any room.

### **Compatible**

The NanoFog Evolution and NanoFog Sens can be combined with all DRAABE high-pressure atomisers.

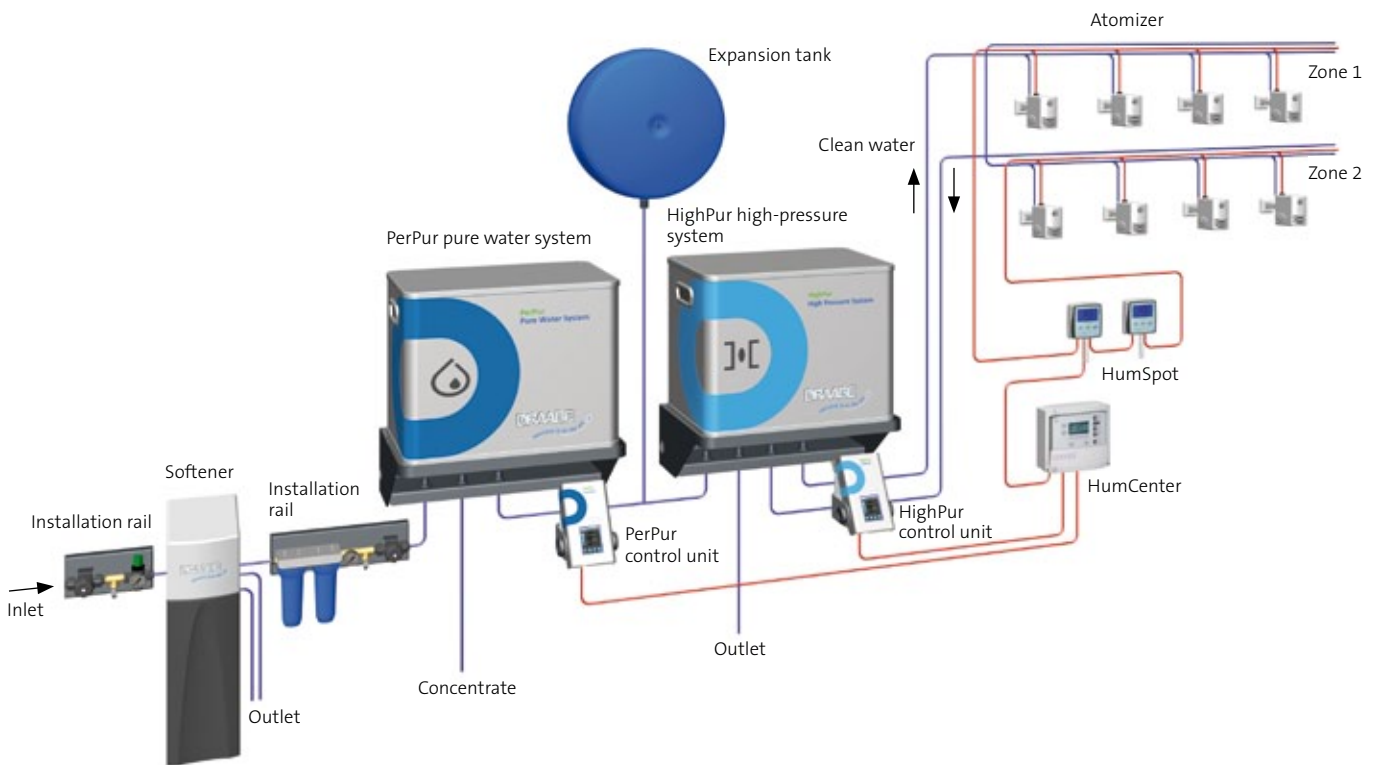




# THE SYSTEM

## THE NANOFOG HUMIDIFICATION SYSTEM

The NanoFog humidification system is specially designed for sensitive applications and is therefore ideally suited for offices. It is energy-efficient, easy to retrofit and can be used without an air conditioning system. Both the NanoFog Evolution and the NanoFog Sens are equipped with high-pressure nozzles that release a micro-fine mist directly into the room air. The NanoFog Sens is particularly suited to very sensitive applications with lower humidity requirements, complex floor plans and high requirements for a quiet environment.



Technical details	NanoFog Sens	NanoFog Evolution
Max output*	1.5 kg/h	3 kg/h
Operating pressure		85 bar
Droplet size (Sauter)		< 15 μ
Control range		10–90% relative humidity
Voltage		230 VAC, 24 VDC
Power consumption		8 W
Weight		400 g

\*The performance depends on the nozzle used.



NanoFogSens

NanoFogEvolution

# PURE WATER AND HIGH PRESSURE

## THE NANOFOG HUMIDIFICATION SYSTEM



### The right water is the key

For smooth and 100% hygienic operation of the NanoFog humidification system, the DRAABE PerPur system produces pure water. Minerals and the finest impurities are filtered out and are conveyed as concentrate.

#### Benefits

- No lime scale deposits in conduits and jets
- Minimal amount of mineral discharge into the air
- Constant output

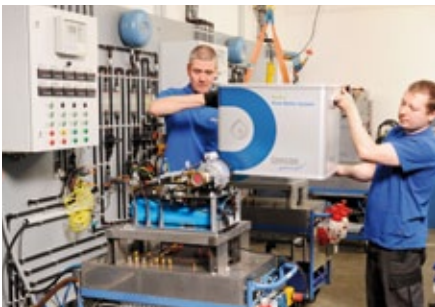


### Under pressure...

The key component of the DRAABE high-pressure air humidification system is the centrally installed high pressure system HighPur. With an operating pressure of 85 bar, the system creates a pulsating hydrologic flow which in turn creates the micro-fine, absolutely droplet-free pure water atomisation.

#### Benefits

- Low operating costs and efficient use of resources
- Better health protection through automated hygiene functions
- Micro-fine pure water atomisation



### Don't worry about a thing ...

As part of the full-service rental system, DRAABE takes care of the semi-annual maintenance of the Pur system. Every 6 to 8 months, DRAABE customers receive a fully refurbished, disinfected replacement device.

#### Benefits

- 100% hygiene
- Life-long guarantee
- Consistent state-of-the-art technology



# DIGITAL CONTROL

## THE NANOFOG HUMIDIFICATION SYSTEM



### HumSpot

The DRAABE HumSpot controls and monitors the humidification of the individual zones (e.g. rooms and working areas). The simple menu navigation and the illuminated colour display guarantee a high level of operating ease and comfort.

### The benefits to you

- Precise activation of the humidifiers when the humidity falls below the setpoint
- High level of measuring precision thanks to digital, capacitive humidity analysis technology
- Continuous status display of relative humidity and room temperature

### HumCenter

As the central control system for the entire air humidification system, the DRAABE HumCenter monitors, controls and analyses all humidification zones and the functions of the Pur container.

### The benefits to you

- High level of reliability due to a continuous status display and monitoring of all zones and Pur systems (unit protection)
- Errors and maintenance prompts are clearly displayed
- Extensive analysis functions thanks to long-term data storage
- Connection and data can be transferred to the building services management system



# HYGIENE AND SAFETY

## THE NANOFOG HUMIDIFICATION SYSTEM



### Expert advice

In an initial consultation with our specialists, the objectives are defined, the technical alternatives are presented and discussed, and a water analysis is carried out.



### Individual planning

Your individual system is planned and drawn with CAD in our planning department. You then receive your customised quote.



### Don't worry about a thing ...

Our customer service puts your system into operation, teaches your staff how to use it and creates a log. From then on, you will receive professional and reliable support under your service agreement.

### Trust is good – certification is better!

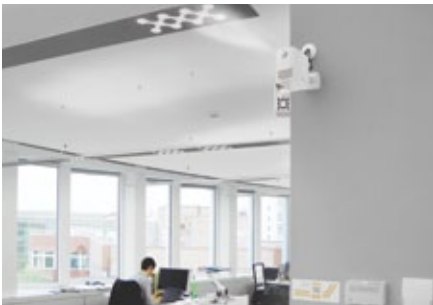
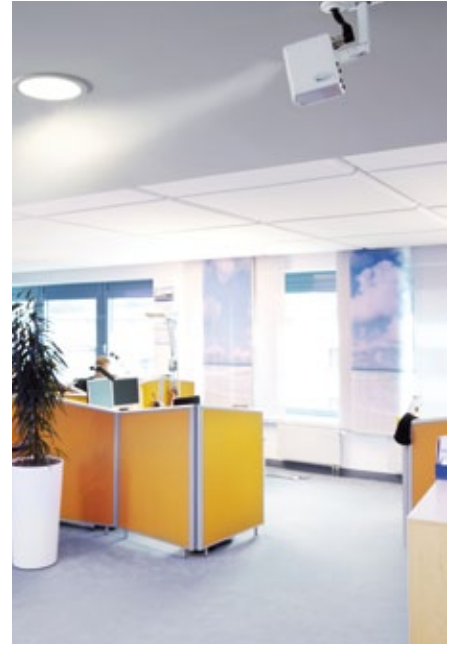
As the first provider of systems for direct room humidification, DRAABE is certified to the new VDI Standard 6022 Blatt 6. This standard defines the best available technology and practices with respect to the planning, installation, operation and maintenance of decentralised humidification systems, which means that installed DRAABE systems can be tested and certified on site by the operator in accordance with VDI requirements. VDI certification guarantees all DRAABE customers fully hygienic operation, compliance with the required hygiene measures, inspection intervals and germ limits, and therefore provides effective protection against liability risks.

The "Optimised Air Humidification" certificate from German Social Accident Insurance (DGUV) is a system certificate required for the successful VDI certification of DRAABE systems.



# APPLICATIONS

## THE NANOFOG HUMIDIFICATION SYSTEM



Hygiene first



Flexibility



Energy saving



Green & lean

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